#### Amendments to the Claims

The listin	g of claims w	ill replace all prio	r versions, a	and listings o	of claims in the
application.			•		

1-99. (Canceled)

100. (New) A functional derivative of ICAM-1, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

- (a) Q1T/KA;
- (b) S5/T;
- (c) T20CS/ACT;
- (d) Q58/H;
- (e) E59/K;
- (f) Q73/H;
- (g) Q73/T;
- (h) G101K/AN;
- (i) E111GGA/KAGS; and
- (j) N175/A;

wherein said amino acid substitution is defined in terms of native ICAM-1 consisting of the amino acid sequence of Fig. 8.

101. (New) The functional derivative of ICAM-1 as claimed in claim 100, wherein said
functional derivative contains an amino acid substitution selected from the group
consisting of:
(a) Q1T/KA;
(b) S5/T;
(c) Q58/H;
(d) E59/K; and
(e) E111GGA/KAGS;
with an enhanced ability, relative to native ICAM-1 consisting of the amino acid
sequence of Fig. 8, to bind LFA-1.
102. (New) The functional derivative of ICAM-1 as claimed in claim 100, wherein said
functional derivative contains an amino acid substitution selected from the group
A. S.
consisting of:
consisting of:
consisting of: (a) S5/T;
consisting of: (a) S5/T; (b) T20CS/ACT;
consisting of:  (a) \$5/T;  (b) T20CS/ACT;  (c) E59/K;
consisting of:  (a) S5/T;  (b) T20CS/ACT;  (c) E59/K;  (d) Q73/H;
consisting of:  (a) S5/T;  (b) T20CS/ACT;  (c) E59/K;  (d) Q73/H;  (e) Q73/T;
consisting of:  (a) \$5/T;  (b) T20CS/ACT;  (c) E59/K;  (d) Q73/H;  (e) Q73/T;  (f) G101K/AN;

and the state of t

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind HRV.

103. (New) An artificial lipid membrane comprising a functional derivative of ICAM-1, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

- (a) Q1T/KA;
- (b) S5/T;
- (c) T20CS/ACT;
- (d) Q58/H;
- (e) E59/K;
- (f) Q73/H;
- (g) Q73/T;
- (h) G101K/AN;
- (i) E111GGA/KAGS; and
- (j) N175/A;

wherein said amino acid substitution is defined in terms of native ICAM-1 consisting of the amino acid sequence of Fig. 8.

104. (New) The artificial lipid membrane as claimed in claim 103, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

(a) Q1T/KA;

o) \$5/T;	
c) Q58/H;	
d) E59/K; and	
e) E111GGA/KAGS;	
with an enhanced ability, relative to native ICAM-1 consisting of the amino acid	
sequence of Fig. 8, to bind LFA-1.	
·	
105. (New) The artificial lipid membrane as claimed in claim 103, wherein said	
functional derivative contains an amino acid substitution selected from the group	
consisting of:	
(a) S5/T;	
(b) T20CS/ACT;	
(c) E59/K;	
(d) Q73/H;	
(e) Q73/T;	
(f) G101K/AN;	
(g) E111GGA/K AGS; and	
(h) N175/A;	
with an enhanced ability, relative to native ICAM-1 consisting of the amino acid	
sequence of Fig. 8, to bind HRV.	

106. (New) The artificial lipid membrane as claimed in claim 103, wherein said artificial

lipid membrane is an artificial planar membrane.

107. (New) A pharmaceutical composition comprising a functional derivative of ICAM-
1 in admixture with a pharmaceutically acceptable carrier, wherein said functional
derivative contains an amino acid substitution selected from the group consisting of:
(a) Q1T/KA;
(b) S5/T;
(c) T20CS/ACT;
(d) Q58/H;
(e) E59/K;
(f) Q73/H;
(g) Q73/T;
(h) G101K/AN;
(i) E111GGA/KAGS; and
(j) N175/A;
wherein said amino acid substitution is defined in terms of native ICAM-1 consisting of
the amino acid sequence of Fig. 8.
108. (New) The pharmaceutical composition as claimed in claim 107, wherein said
functional derivative contains an amino acid substitution selected from the group
consisting of:
(a) Q1T/KA;
(b) S5/T;
(c) Q58/H;

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(d) E59/K; a	ınd
--------------	-----

## (e) E111GGA/KA\$S;

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind LFA-1.

109. (New) The pharmaccutical composition as claimed in claim 107, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

- (a) S5/T;
- (b) T20CS/ACT;
- (c) E59/K;
- (d) Q73/H;
- (e) Q73/T;
- (f) G101K/AN;
- (g) E111GGA/KAGS; and
- (h) N175/A;

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind HRV.

110. (New) A functional derivative of ICAM-1, wherein said functional derivative is a soluble derivative of ICAM-1, and wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

(a) Q1T/KA;

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- (b) S5/T;
- (c) K8/E;
- (d) R13/K; .
- (e) T20CS/ACT;
- (f) Y52/F;
- (g) Q58/H;
- (h) E59/K;
- (i) S61/I;
- (j) M64/I;
- (k) N68/K;
- (l) D71/E;
- (m) Q73/H;
- (n) Q73/T;
- (o) S74/A;
- (p) T75/A;
- (q) R88V/EA;
- (r) E90/Q;
- (s) L91/A;
- (t) G101K/AN;
- (u) E111GGA/KAGS;
- (v) R125/E;
- (w) E127/R;
- (x) K128/R;

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'					
(y) V136GE/GVK			•		
(z) N175/A; and					
(aa) A178/G;					
wherein said amino	acid substitution	is defined in term	ns of native ICA	M-1 consist	ing of
the amino acid sequ	 ience of Fig. 8.				,
	}				
111. (New) The fur	 nctional derivative	of ICAM-1 as c	laimed in claim	l 10, wherei	n said
functional derivative	ve contains an ami	no acid substituti	ion selected froπ	the group	
consisting of:		.·			
(a) Q1T/KA;					
(b) S5/T;					
(c) Q58/H;					
(d) E59/K;		•			
(e) M64/I;	-	•	÷	•	
(f) N68/K;	 				
(g) D71/E;	· ·				
(h) E90/Q;					
(i) E111GGA/KA	GS; and	•	·		
(j) K128/R;					
with an enhanced	ability, relative to	native ICAM-1	consisting of the	amino acid	l

sequence of Fig. 8, to bind LFA-1.

112. (New) The fun	ctional derivative of ICAM-1 as claimed in claim 110, wherein said
functional derivative	e contains an amino acid substitution selected from the group
consisting of:	·
(a) S5/T;	
(b) K8/E;	
(c) R13/K;	
(d) T20CS/ACT,	
(e) Y52/F;	
(f) E59/K;	·
(g) S61/I;	
(h) M64/I;	
(i) N68/K;	·
(j) D71/E;	
(k) Q73/H;	
(1) Q73/T;	
(m) \$74/A;	·
(n) T75/A;	
(o) R88V/EA;	
(p) E90/Q;	
(q) L91/A;	
(r) G101K/AN;	
() PINICO A/V	Co.

(t) R125/E;

(u)	El	27	/R:

(v) K128/R;

(w) V136GE/GVK;

(x) N175/A; and

(y)  $A178/G^{1}$ 

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind HRV.

113. (New) A pharmaceutical composition comprising a functional derivative of ICAM1 in admixture with a pharmaceutically acceptable carrier, wherein said functional
derivative is a soluble derivative of ICAM-1, and wherein said functional derivative
contains an amino acid substitution selected from the group consisting of:

(a) Q1T/KA;

(b) S5/T;

(c) T20CS/ACT;

(d) Q58/H;

(e) E59/K;

(f) Q73/H;

(g)  $Q73/T_i$ ;

(h) G101K/AN;

(i) E111GGA/KAGS; and

(j) N175/A;

wherein said amino acid substitution is defined in terms of native ICAM-1 consisting of the amino acid sequence of Fig. 8.

114. (New) The pharmaceutical composition as claimed in claim 113, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

- (a) Q1T/KA;
- (b) S5/T;
- (c) Q58/H;
- (d) E59/K; and
- (e) E111GGA/KAGS;

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind LFA-1.

115. (New) The pharmaceutical composition as claimed in claim 113, wherein said functional derivative contains an amino acid substitution selected from the group consisting of:

- (a) S5/T;
- (b) T20C\$/ACT
- (c) E59/K;
- (d) Q73/H;
- (e) Q73/1;
- (f) G101K/AN;

- (g) E111GGA/KAGS; and
- (h) N175/A;

with an enhanced ability, relative to native ICAM-1 consisting of the amino acid sequence of Fig. 8, to bind HRV.

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